Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
Data File : BF093668.D
Acq On : 15 Mar 2017 15:24
Operator : SJ/MA
Sample : I2233-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-239

Quant Time: Mar 15 19:28:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 15:05:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	187350	20.00	ng		-0.01
21) Naphthalene-d8	8.00	136	781486	20.00	ng		-0.01
38) Acenaphthene-d10	9.76	164	358940	20.00	ng		0.00
63) Phenanthrene-d10	11.25	188	621251	20.00	ng		0.00
75) Chrysene-d12	13.90	240	412623	20.00	ng		0.01
86) Perylene-d12	15.29	264	344293	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.30	112	573480	50.95	ng		-0.01
7) Phenol-d6	6.37	99	885128	62.35	ng		-0.01
23) Nitrobenzene-d5	7.28	82	553156	39.27	ng		-0.02
41) 2,4,6-Tribromophenol	10.56	330	95216	40.72	ng		0.01
44) 2-Fluorobiphenyl	9.08	172	835259	43.28	ng		-0.01
78) Terphenyl-d14	12.84	244	649839	40.95	ng		0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.25	77	2032	Below Cal		#	1
10) Phenol	6.39	94	49425	2.84	ng		85
19) n-Nitroso-di-n-propylamine	7.28	70	74822	7.67	ng	#	89
25) Isophorone	7.28	82	554312	19.52	ng	#	65
37) 2-Methylnaphthalene	8.73	142	51680	2.07	ng		97
49) Dimethylphthalate	9.49	163	93228	3.92	ng		99
51) Acenaphthene	9.80	154	55385	2.84	ng		92
54) Dibenzofuran	9.98	168	74757	3.06	ng		95
55) 4-Nitrophenol	9.98	139	31577	10.36	ng	#	40
57) Fluorene	10.31	166	69200	3.34	ng		98
70) Phenanthrene	11.27	178	387386	10.92	ng		99
71) Anthracene	11.27	178	387386	10.80	ng		99
74) Fluoranthene	12.47	202	441679	12.89	ng		94
77) Pyrene	12.70	202	402340	13.41	ng		99
80) Benzo(a)anthracene	13.89	228	185504	7.61	ng		98
82) Chrysene	13.92	228	136290	6.05	ng		99
85) Indeno(1,2,3-cd)pyrene	16.67	276	101058	5.36	ng		97
87) Benzo(b)fluoranthene	14.91	252	269634	12.86	ng	#	95
88) Benzo(k)fluoranthene	14.91	252	269634	13.33	ng	#	94
89) Benzo(a)pyrene	15.25	252	145594	7.60	ng		98
90) Dibenzo(a,h)anthracene	16.65	278	31961	2.02	ng	#	85
91) Benzo(g,h,i)perylene	17.08	276	106769	6.56	ng	#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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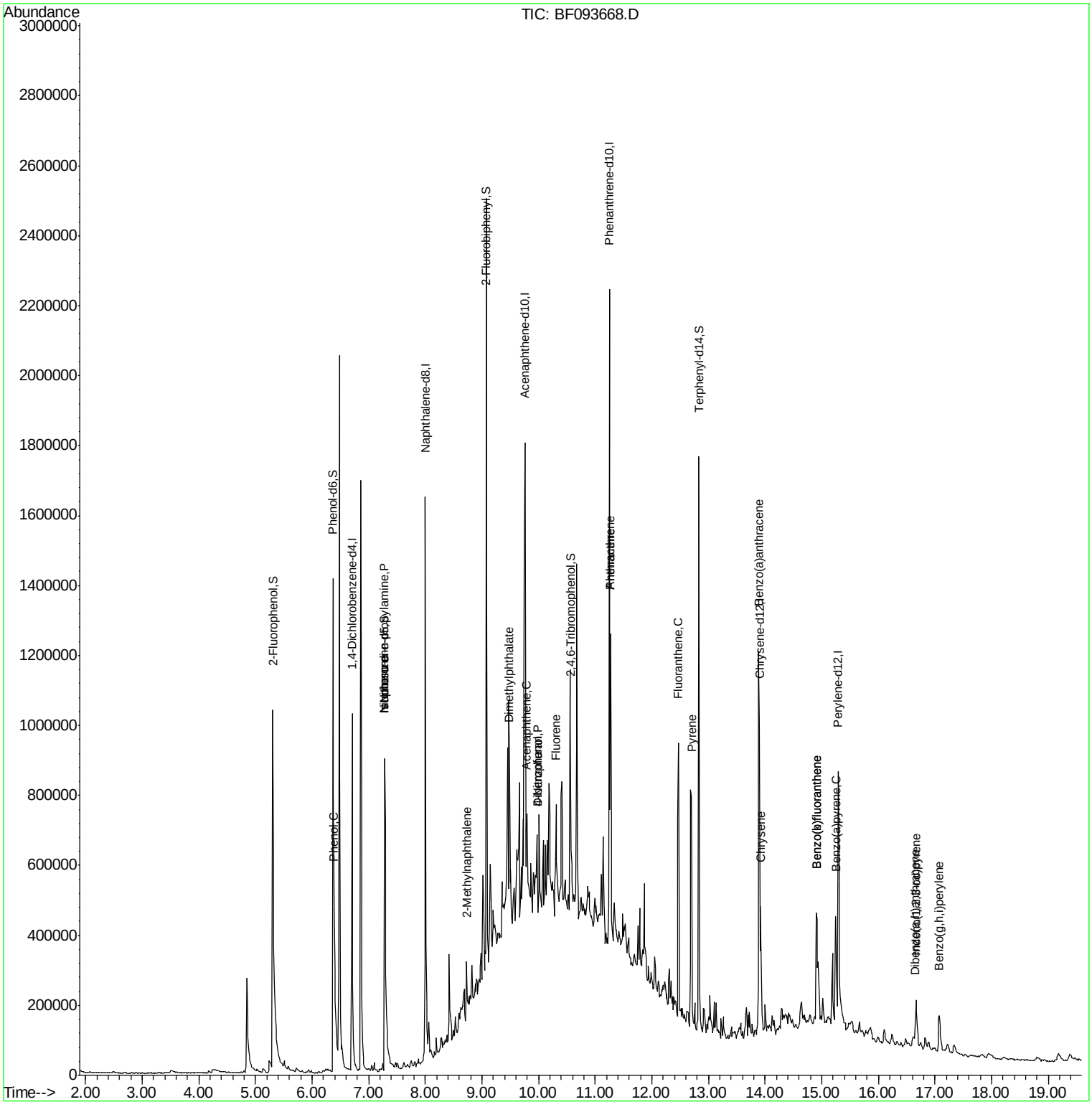
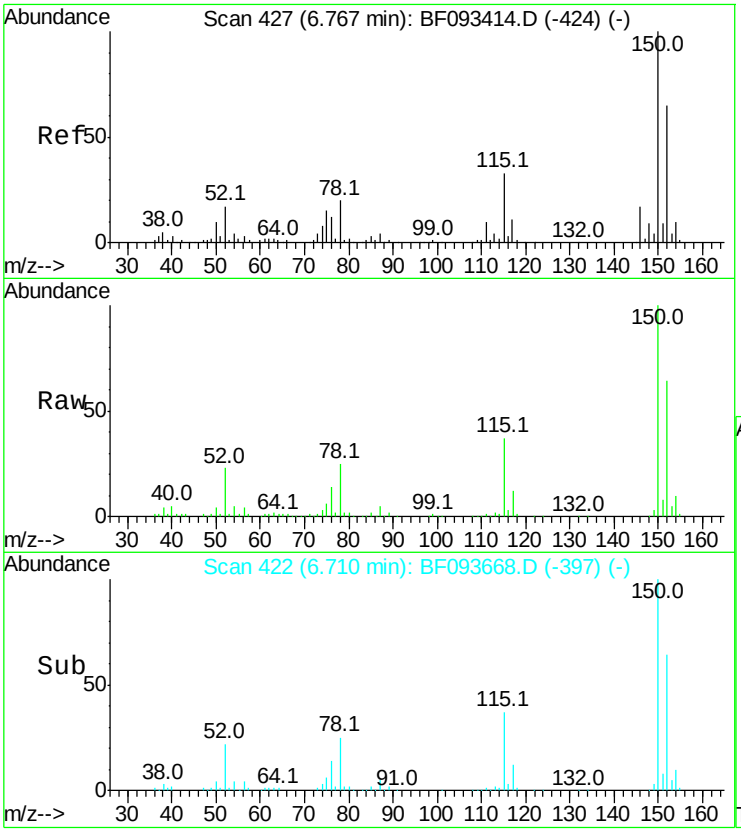


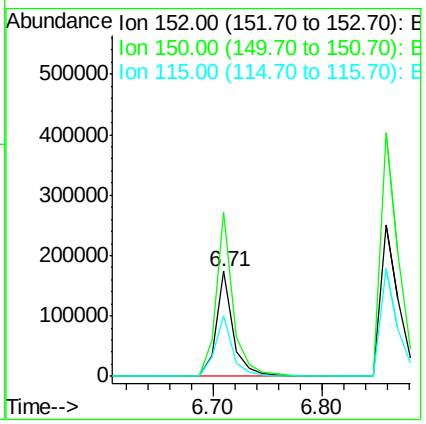


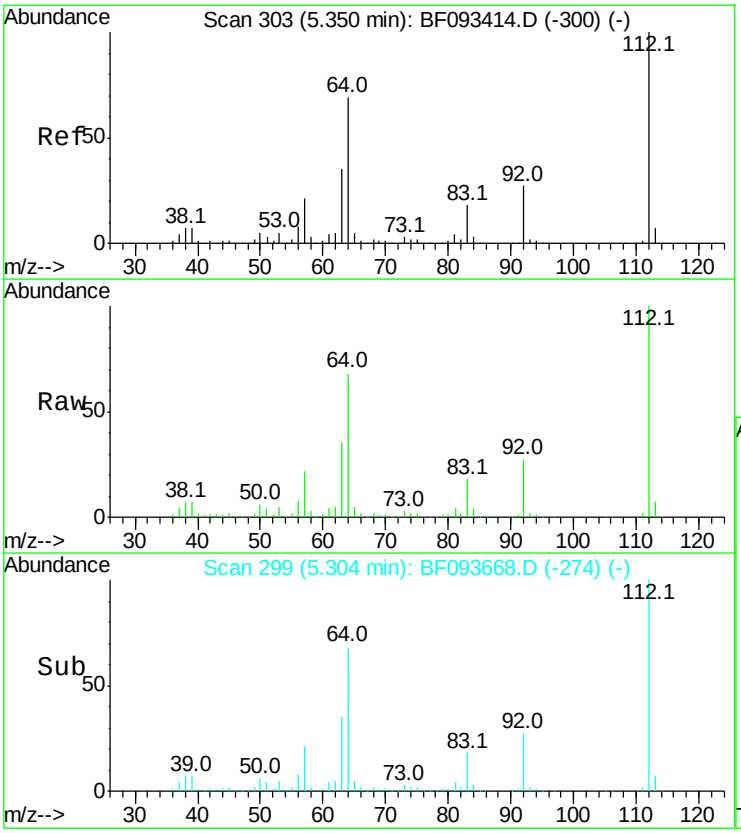
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:152 Resp: 187350

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.9	187.3
115	58.1	46.0	69.0

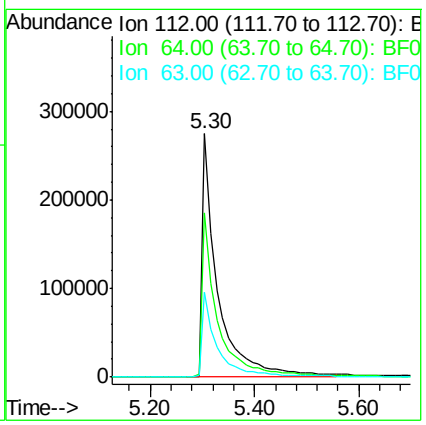


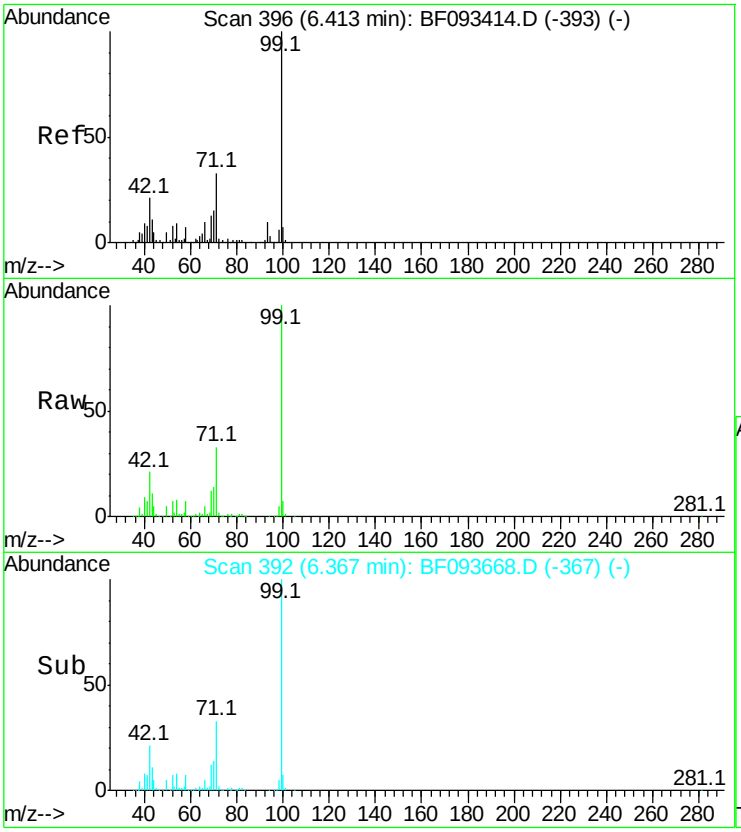


#5
2-Fluorophenol
Concen: 50.95 ng
RT: 5.30 min Scan# 299
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:112 Resp: 573480

Ion	Ratio	Lower	Upper
112	100		
64	67.6	46.1	69.1
63	34.9	23.8	35.6



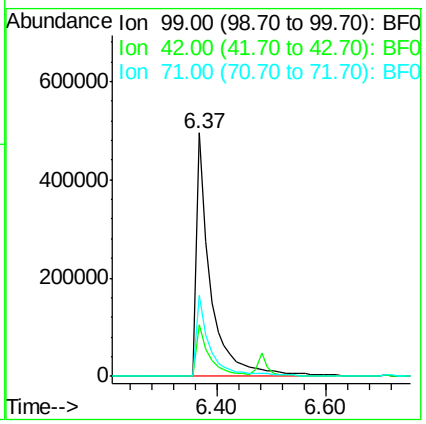


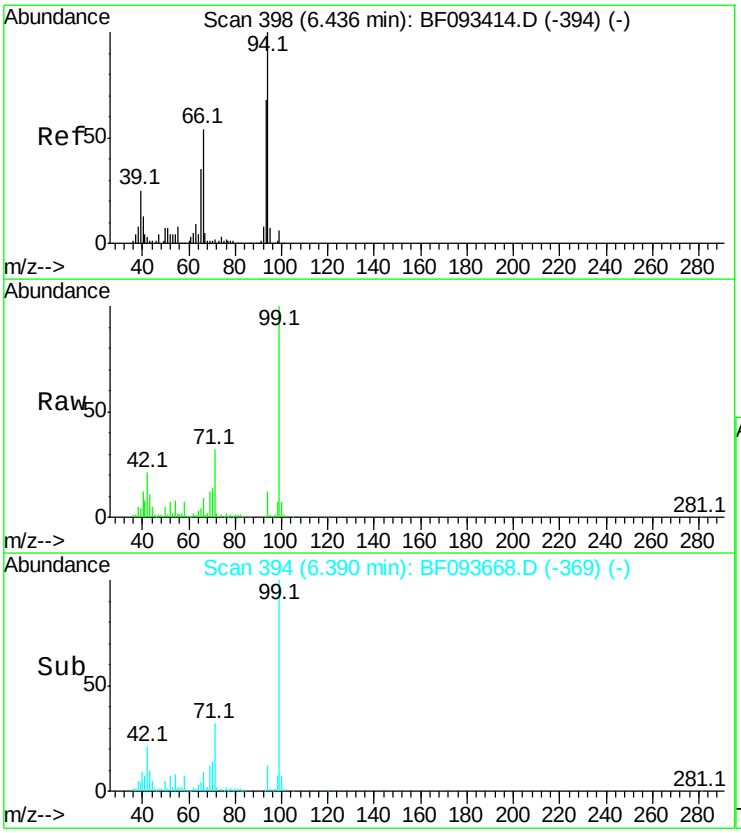
#7
Phenol-d6
Concen: 62.35 ng
RT: 6.37 min Scan# 392
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion: 99 Resp: 885128

Ion	Ratio	Lower	Upper
99	100		
42	21.2	15.6	23.4
71	33.3	27.5	41.3

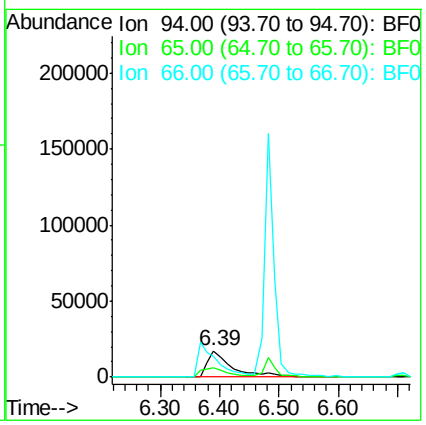


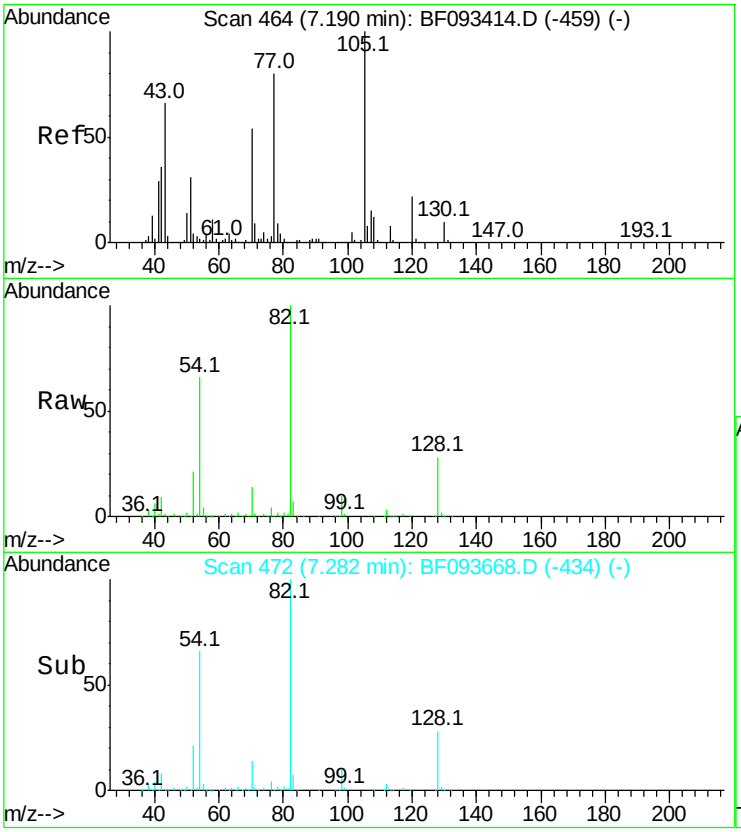


#10
Phenol
Concen: 2.84 ng
RT: 6.39 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion: 94 Resp: 49425

Ion	Ratio	Lower	Upper
94	100		
65	35.1	21.4	61.4
66	78.2	44.0	84.0



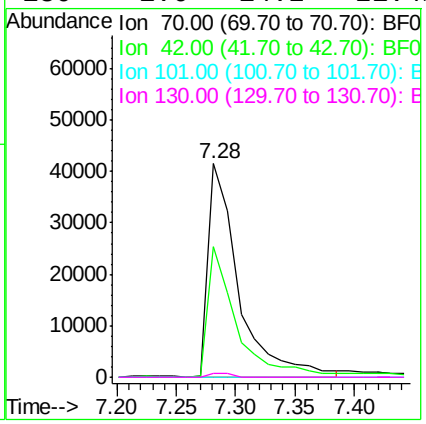


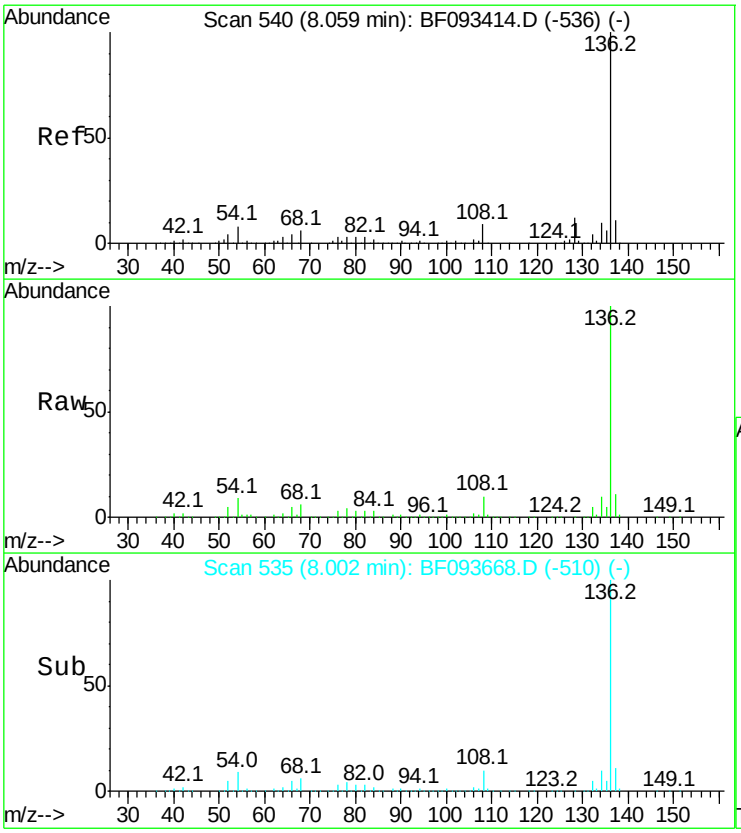
#19
n-Nitroso-di-n-propylamine
Concen: 7.67 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion: 70 Resp: 74822

Ion	Ratio	Lower	Upper
70	100		
42	61.2	49.4	74.0
101	0.0	7.4	11.2#
130	1.6	14.2	21.4#

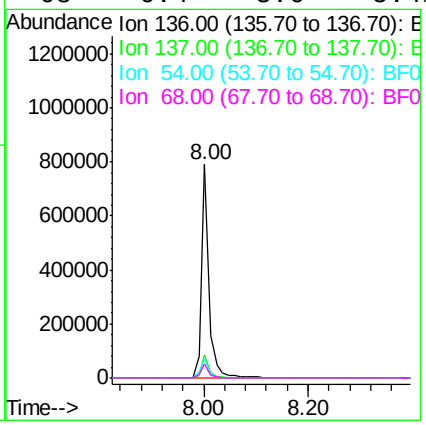


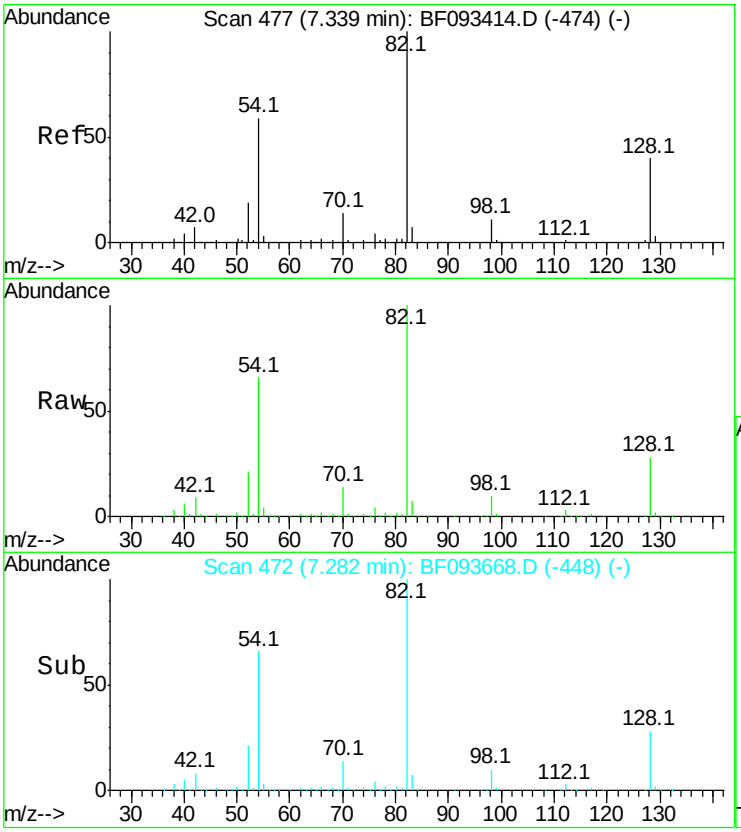


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:136 Resp: 781486

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.1	4.5	6.7#
68	6.4	3.6	5.4#



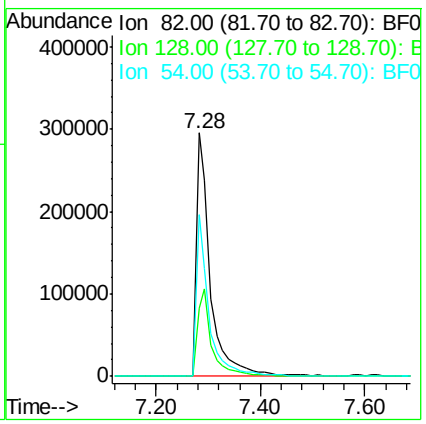


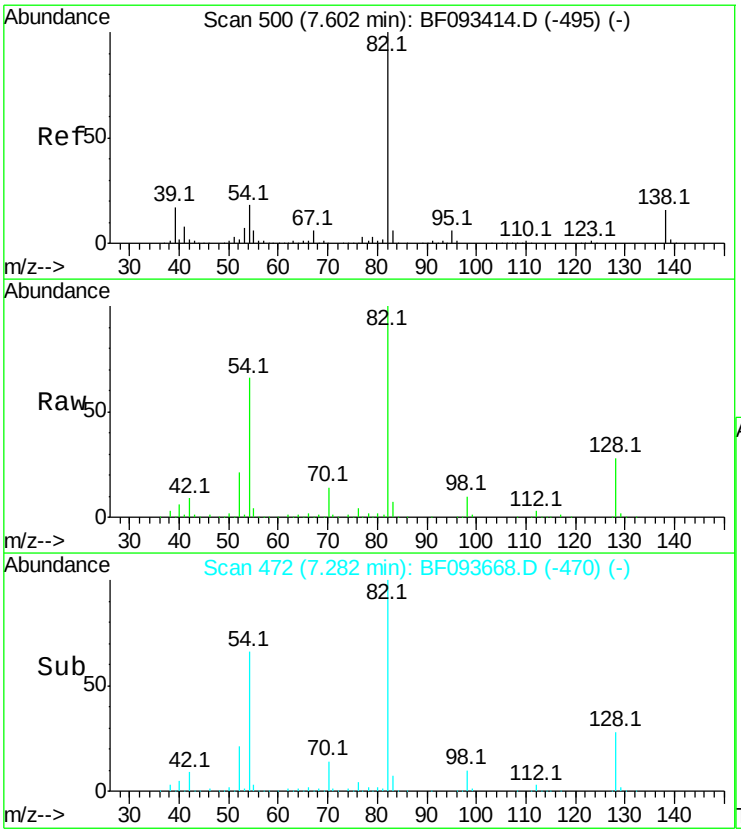
#23
Nitrobenzene-d5
Concen: 39.27 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion: 82 Resp: 553156

Ion	Ratio	Lower	Upper
82	100		
128	28.3	34.6	52.0#
54	66.2	39.5	59.3#

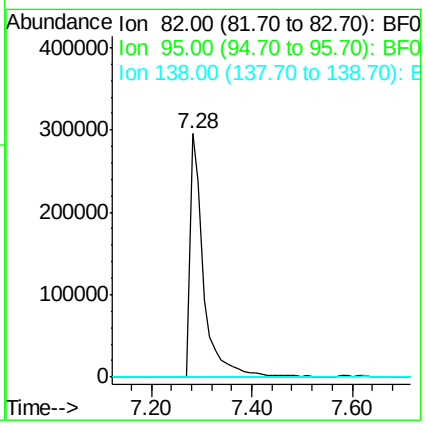


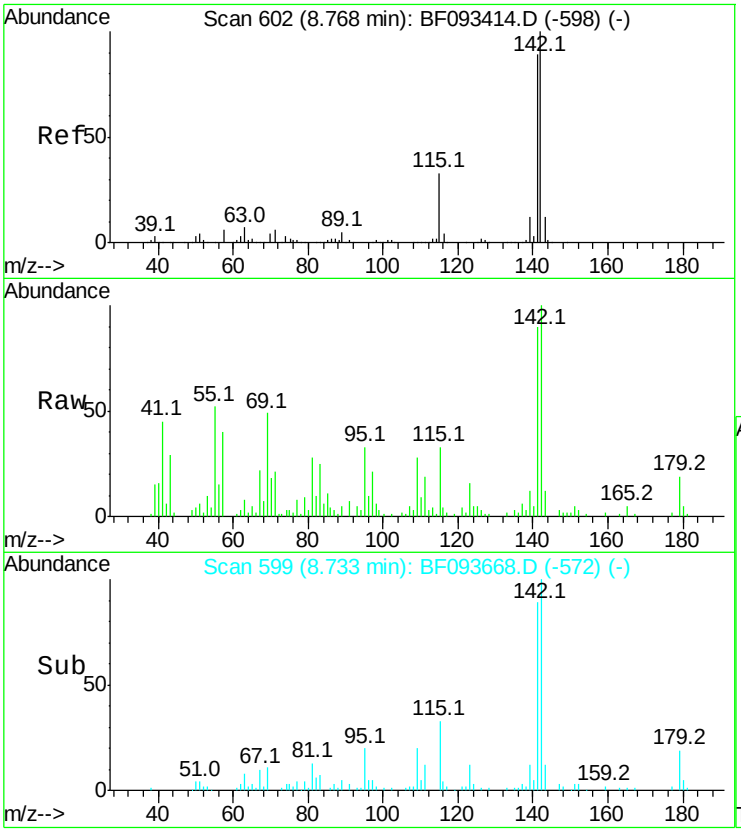


#25
Isophorone
Concen: 19.52 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.27 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion: 82 Resp: 554312

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



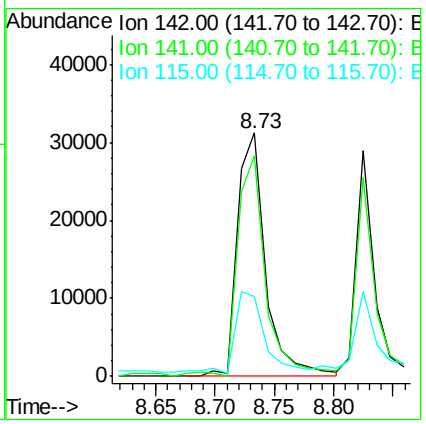


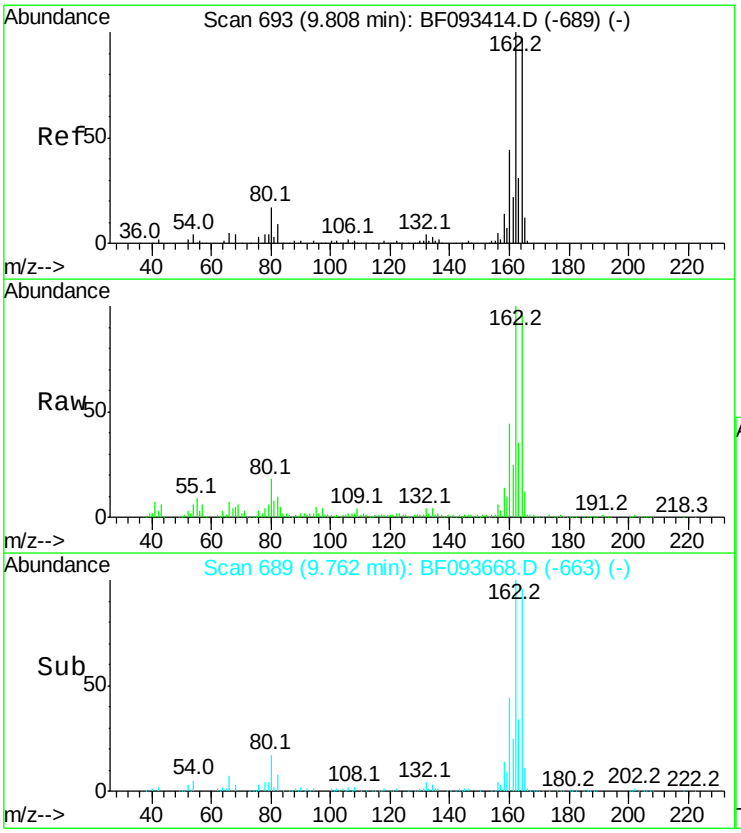
#37
2-Methylnaphthalene
Concen: 2.07 ng
RT: 8.73 min Scan# 599
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:142 Resp: 51680

Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.0	106.6
115	32.6	28.3	42.5

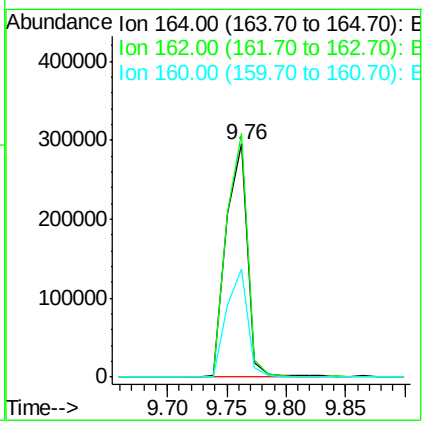


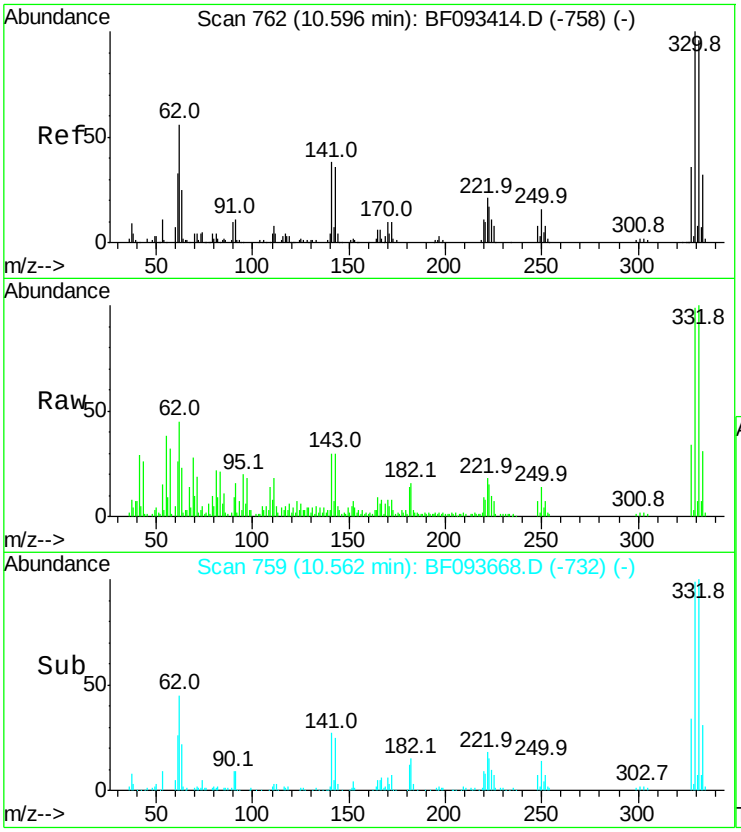


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:164 Resp: 358940

Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.2	120.2
160	46.5	36.9	55.3



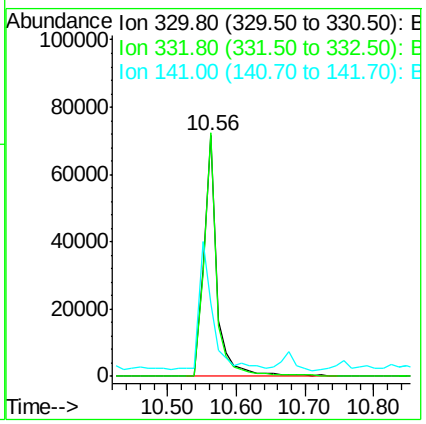


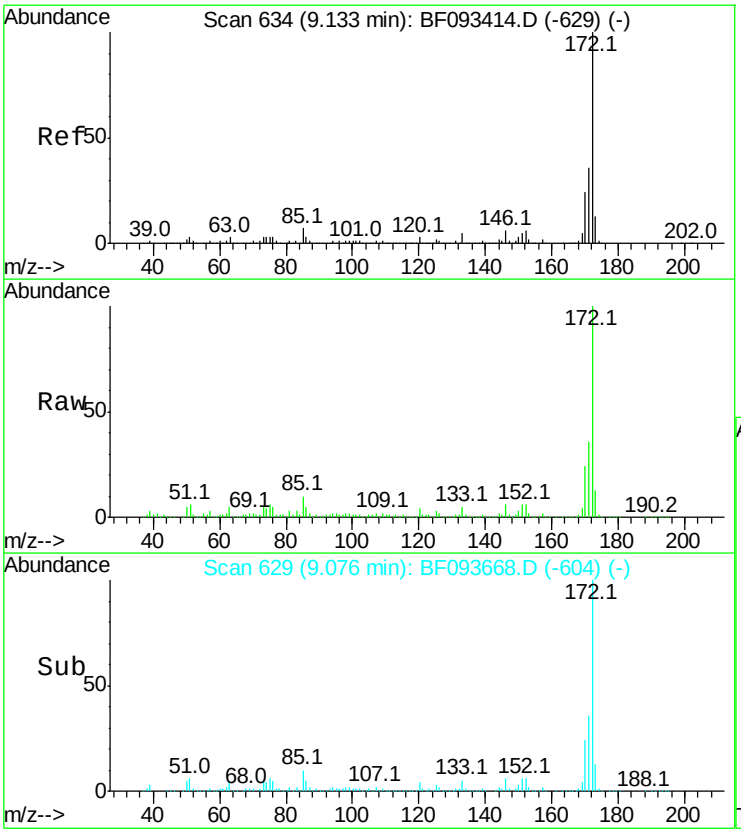
#41
2,4,6-Tribromophenol
Concen: 40.72 ng
RT: 10.56 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:330 Resp: 95216

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	52.6	34.1	51.1#

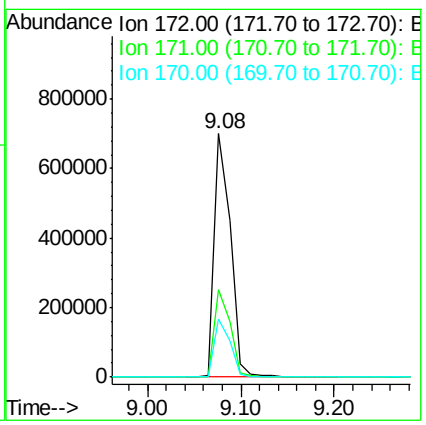


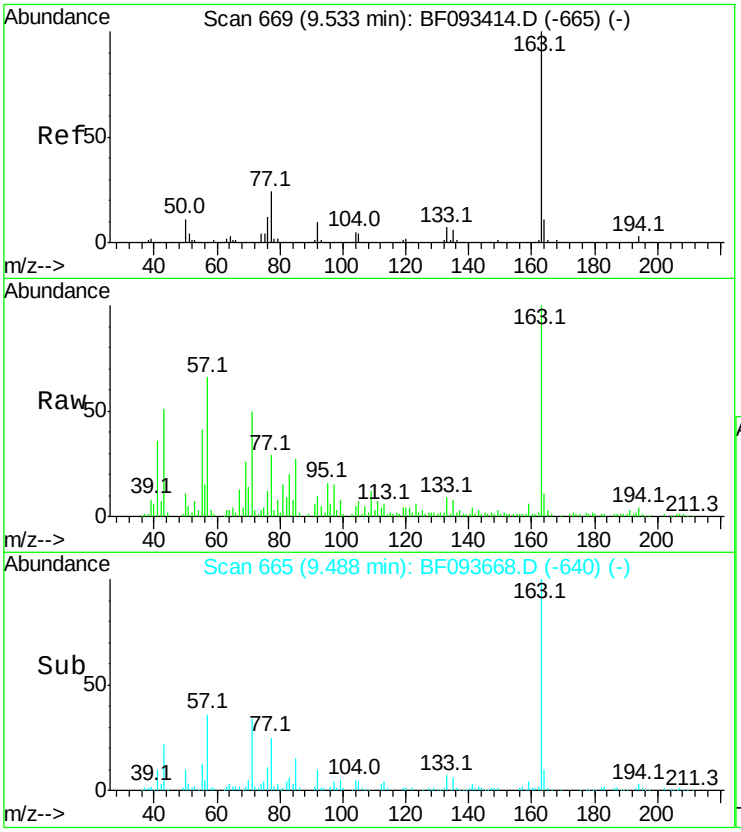


#44
2-Fluorobiphenyl
Concen: 43.28 ng
RT: 9.08 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:172 Resp: 835259

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	23.7	20.2	30.4



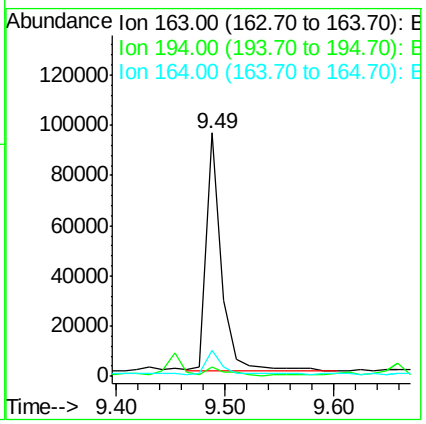


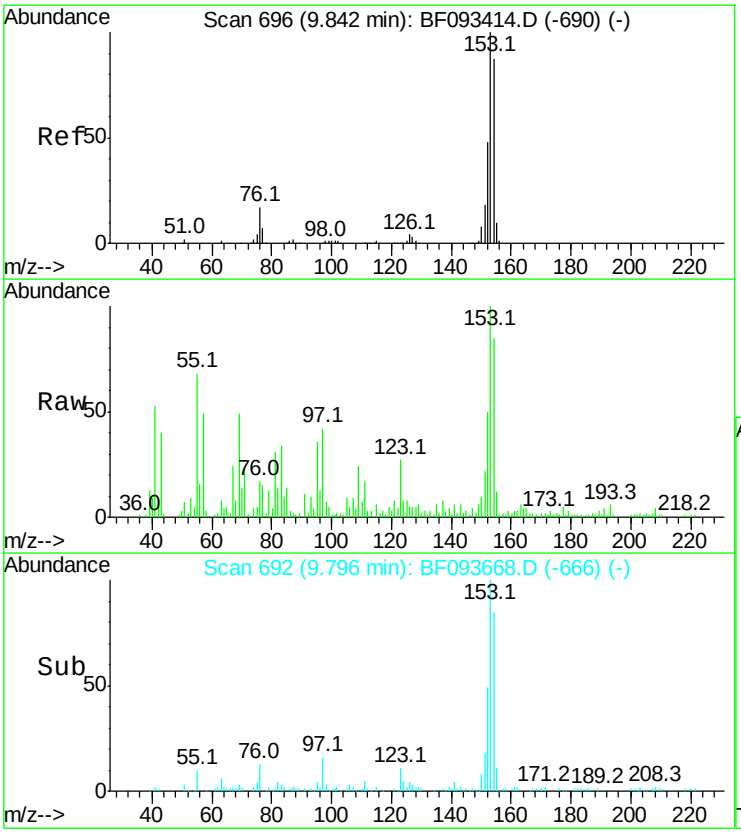
#49
Dimethylphthalate
Concen: 3.92 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:163 Resp: 93228

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.5	8.0	12.0

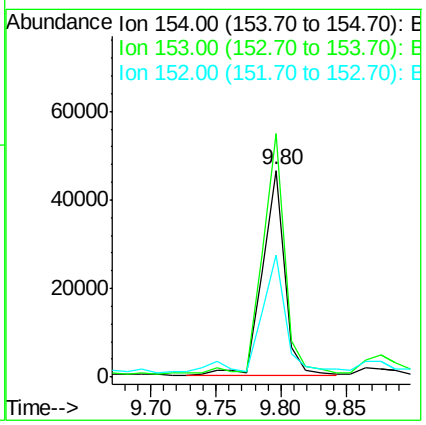


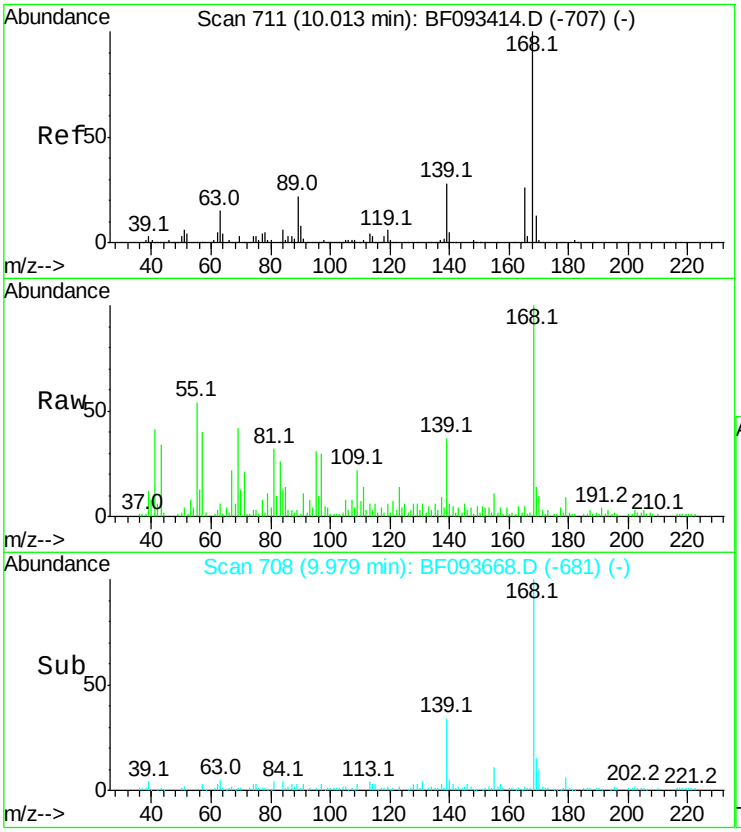


#51
Acenaphthene
Concen: 2.84 ng
RT: 9.80 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:154 Resp: 55385

Ion	Ratio	Lower	Upper
154	100		
153	117.8	88.6	133.0
152	59.0	41.6	62.4



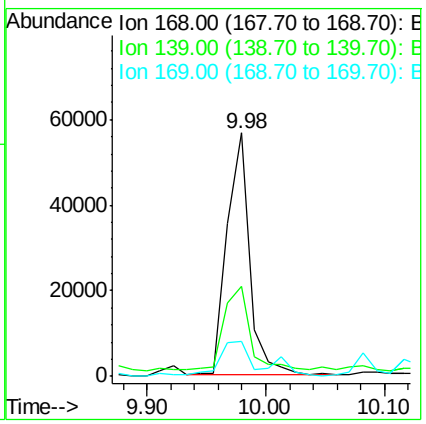


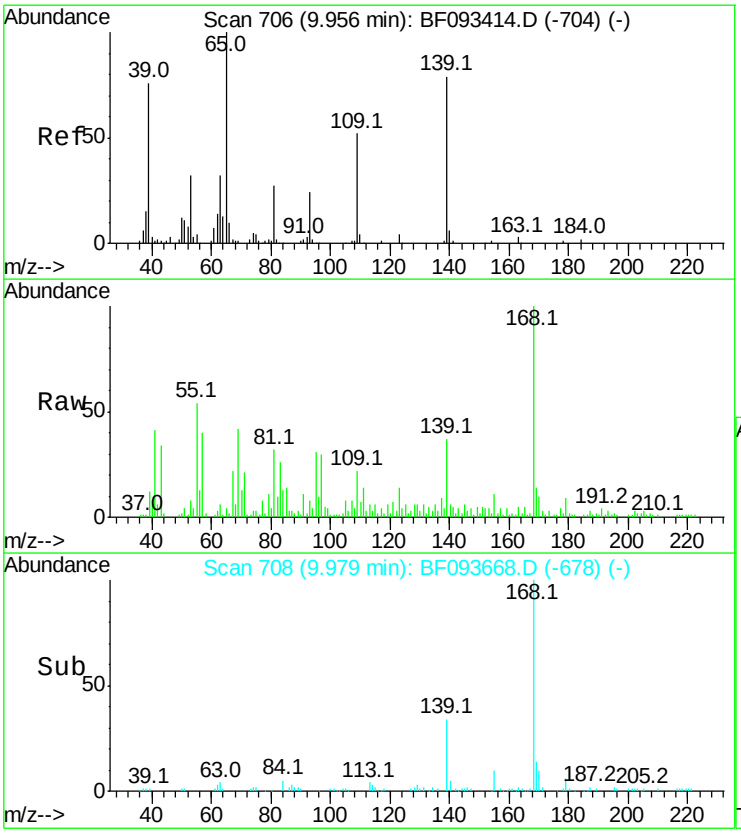
#54
Dibenzofuran
Concen: 3.06 ng
RT: 9.98 min Scan# 708
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:168 Resp: 74757

Ion	Ratio	Lower	Upper
168	100		
139	36.7	32.6	49.0
169	14.4	11.3	16.9

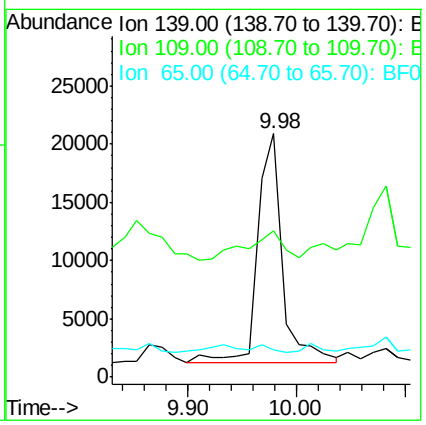


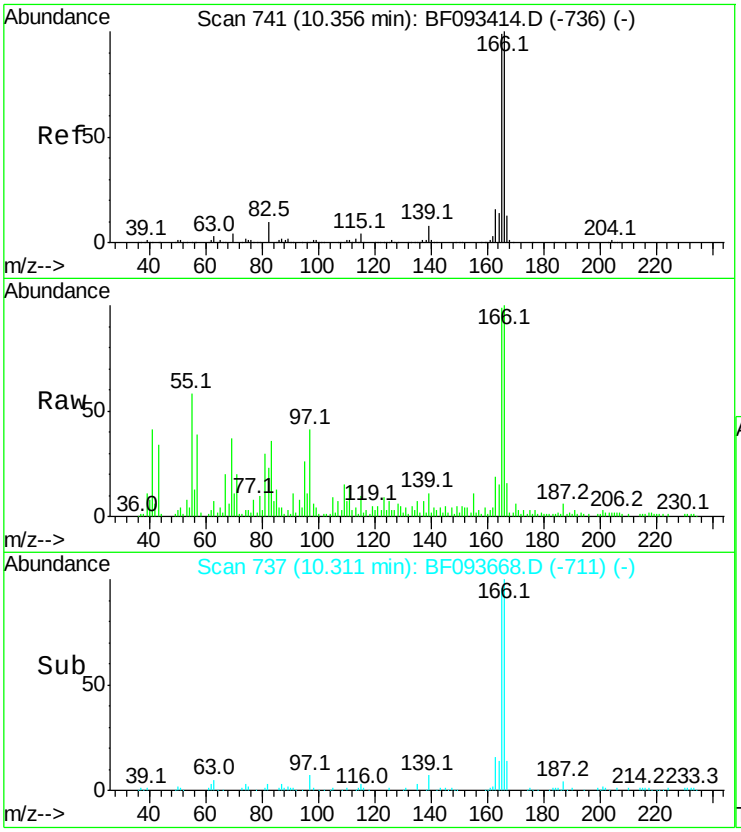


#55
4-Nitrophenol
Concen: 10.36 ng
RT: 9.98 min Scan# 708
Delta R.T. 0.05 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:139 Resp: 31577

Ion	Ratio	Lower	Upper
139	100		
109	60.2	52.2	92.2
65	11.0	85.8	125.8#



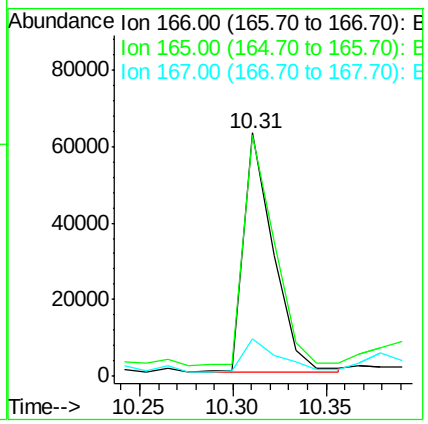


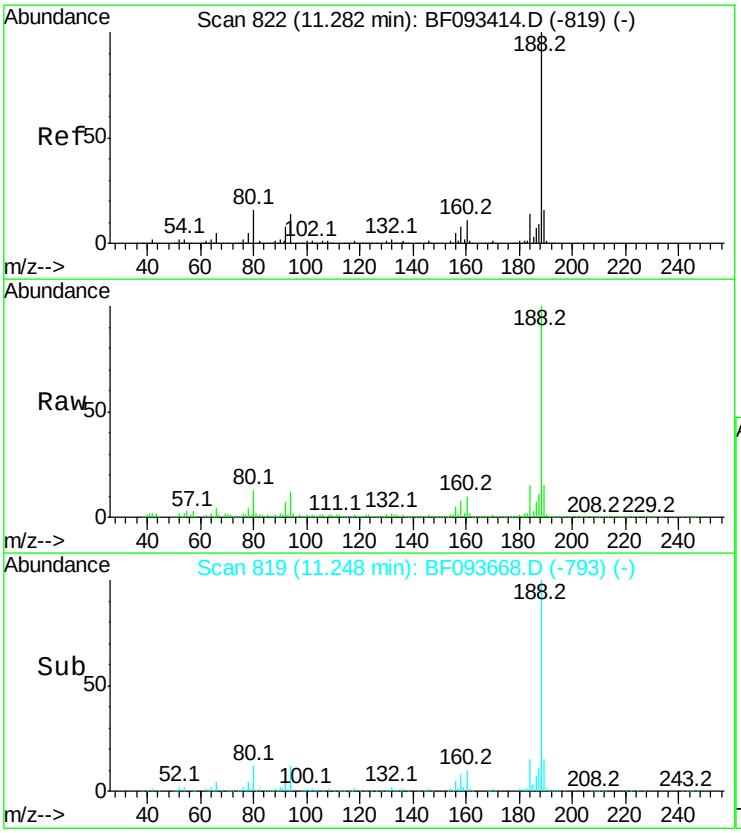
#57
Fluorene
Concen: 3.34 ng
RT: 10.31 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:166 Resp: 69200

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.8
167	15.6	10.8	16.2

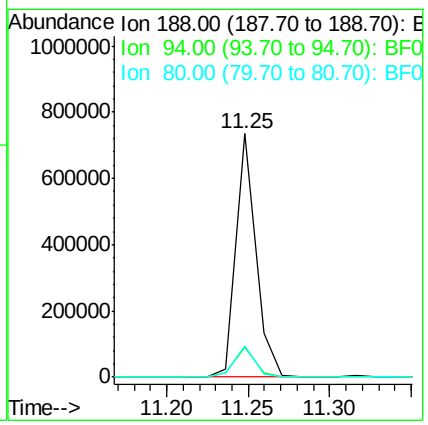


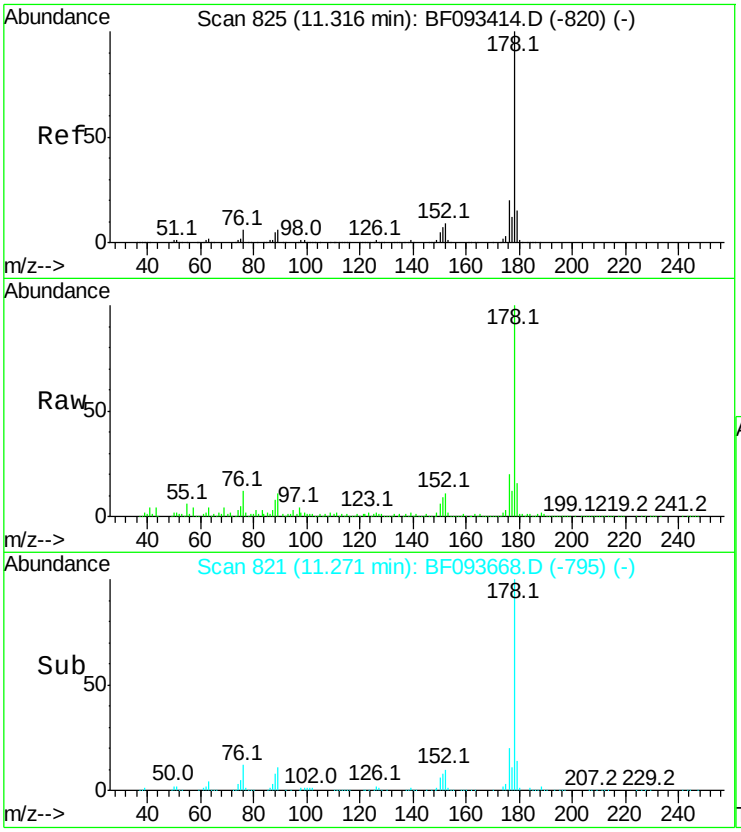


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:188 Resp: 621251

Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.0	15.0
80	12.7	11.2	16.8



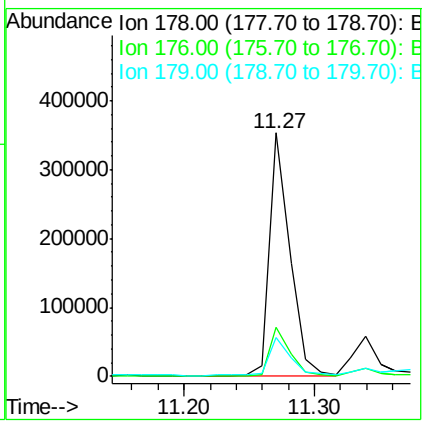


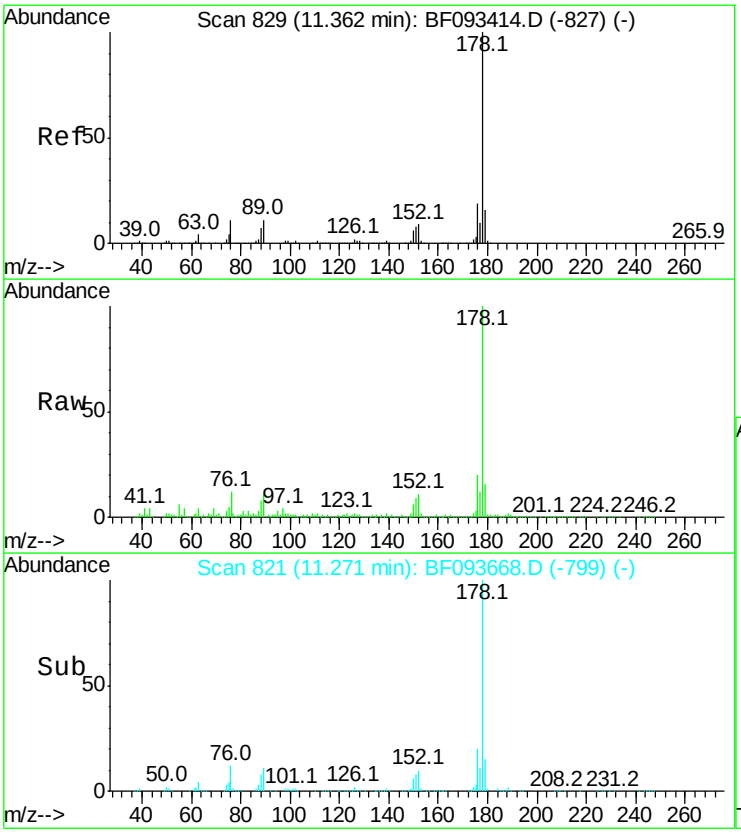
#70
Phenanthrene
Concen: 10.92 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:178 Resp: 387386

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.6	25.0
179	15.7	12.8	19.2

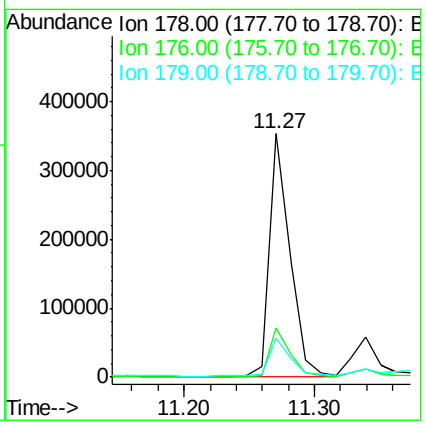


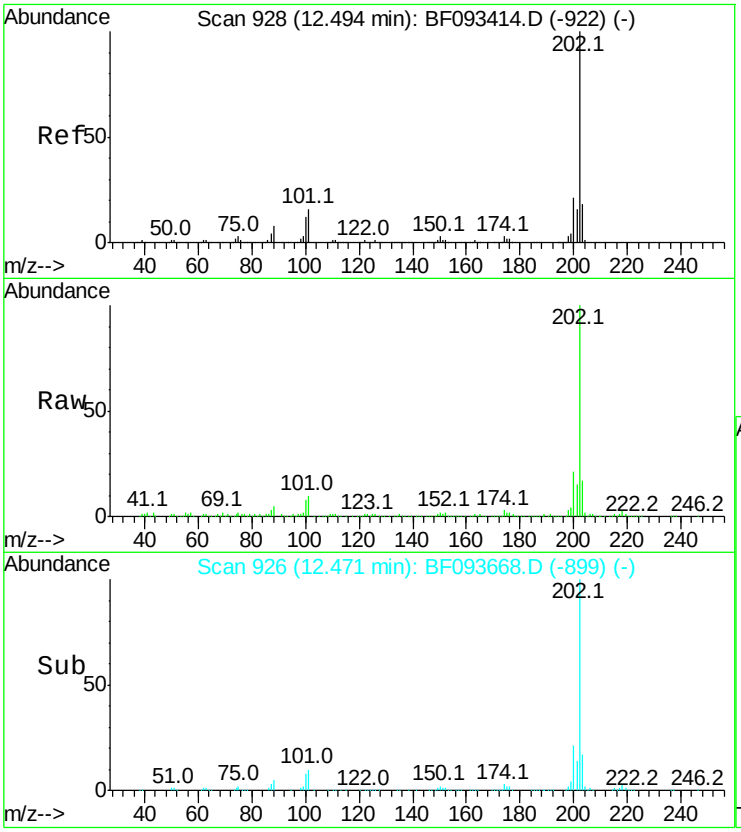


#71
Anthracene
Concen: 10.80 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.05 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:178 Resp: 387386

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.7	13.2	19.8

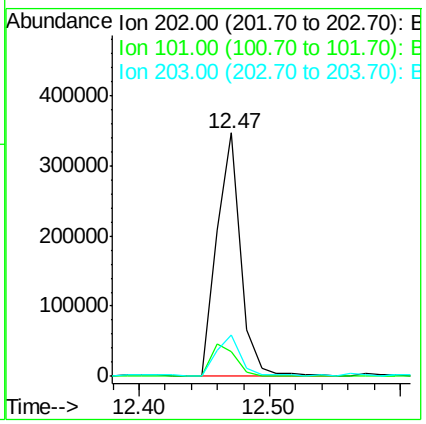




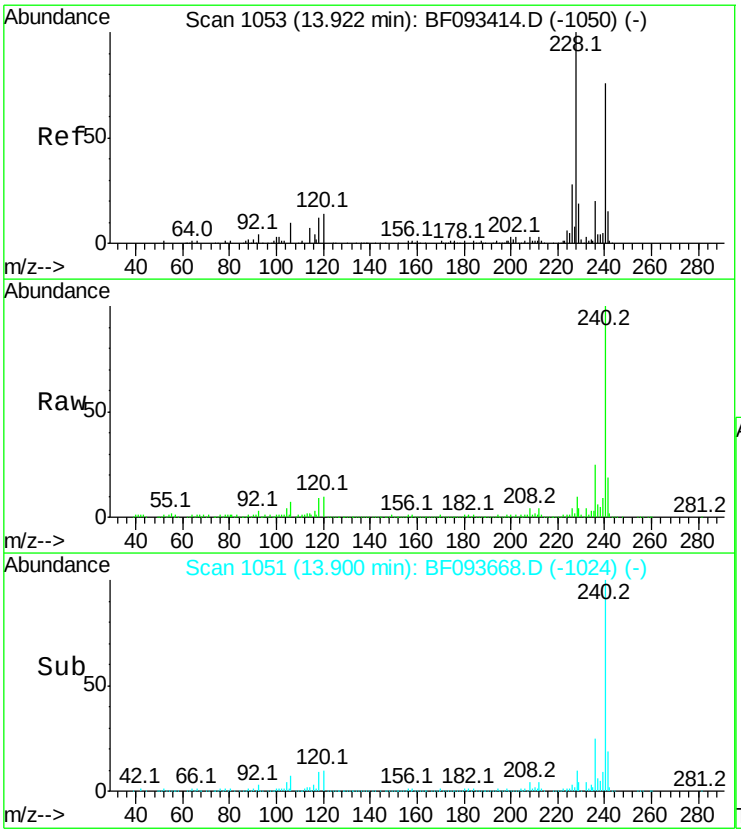
#74
Fluoranthene
Concen: 12.89 ng
RT: 12.47 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:202 Resp: 441679

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.6
203	17.2	0.0	38.7



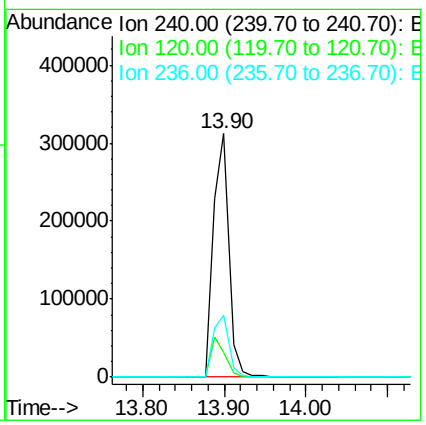
Instrument :
BNA_F
ClientSampleId :
VNJ-239

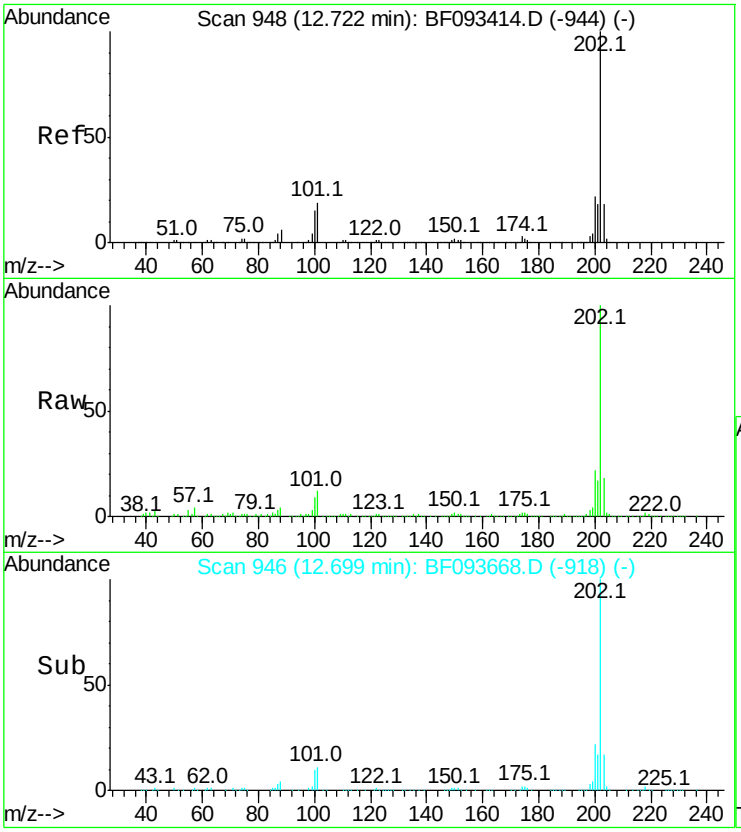


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:240 Resp: 412623

Ion	Ratio	Lower	Upper
240	100		
120	10.1	12.9	19.3#
236	25.5	20.9	31.3



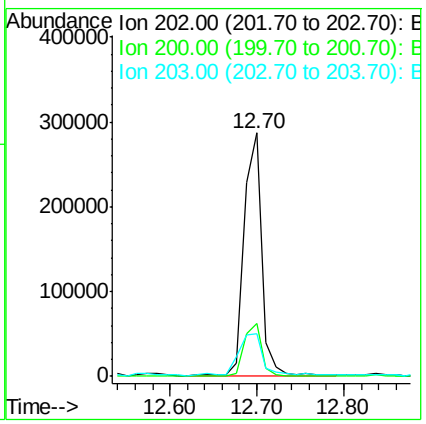


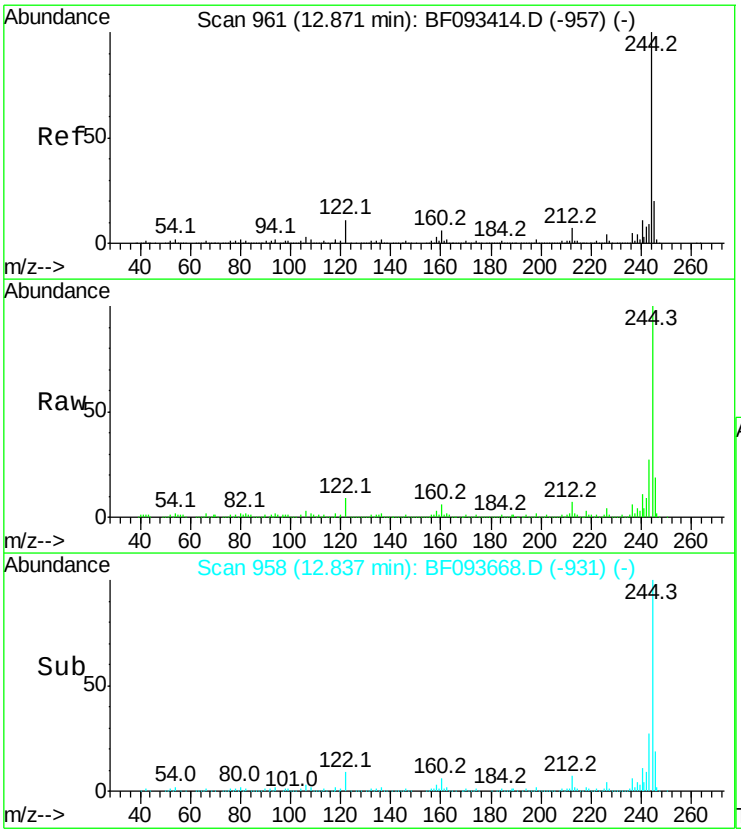
#77
Pyrene
Concen: 13.41 ng
RT: 12.70 min Scan# 946
Delta R.T. 0.02 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:202 Resp: 402340

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	17.7	14.7	22.1

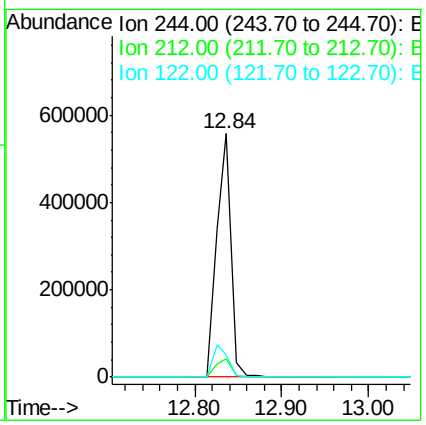


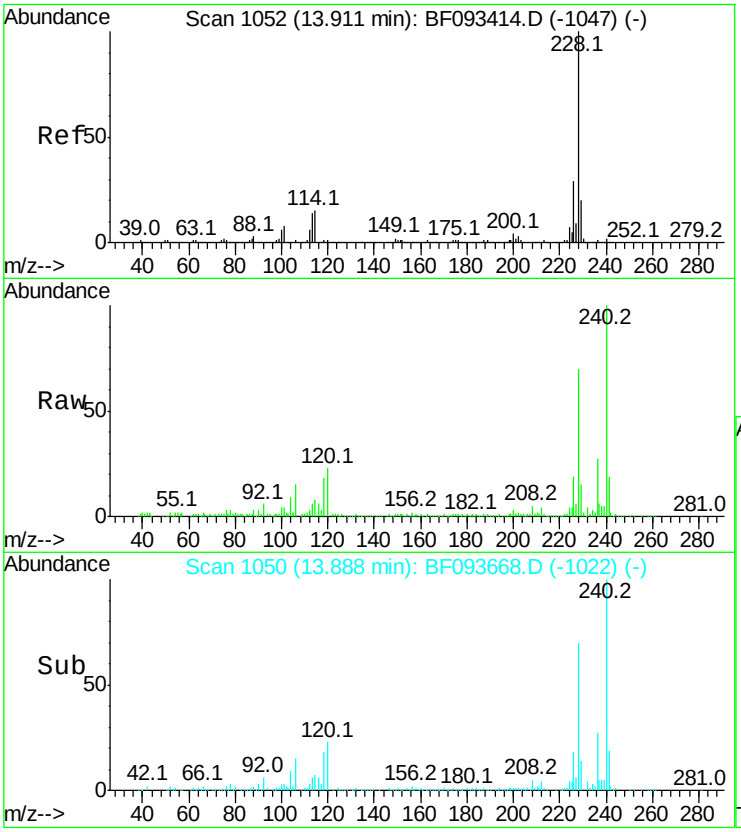


#78
Terphenyl-d14
Concen: 40.95 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:244 Resp: 649839

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	9.3	11.4	17.2#



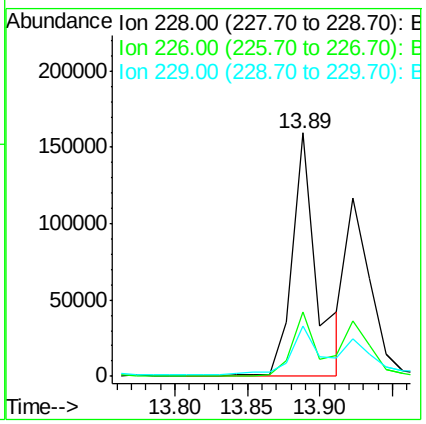


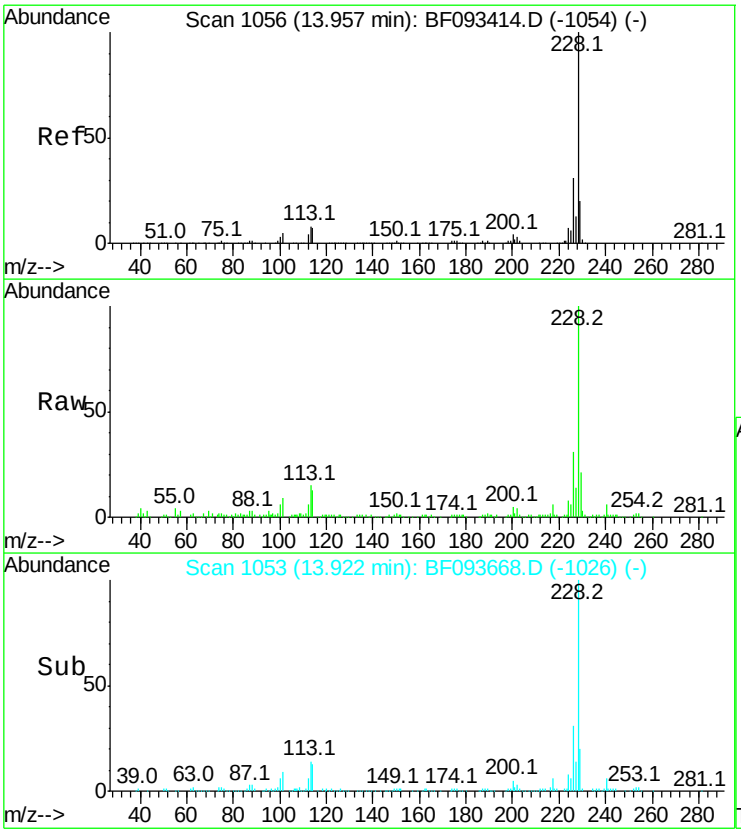
#80
Benzo(a)anthracene
Concen: 7.61 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:228 Resp: 185504

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.4	33.6
229	20.8	16.2	24.4

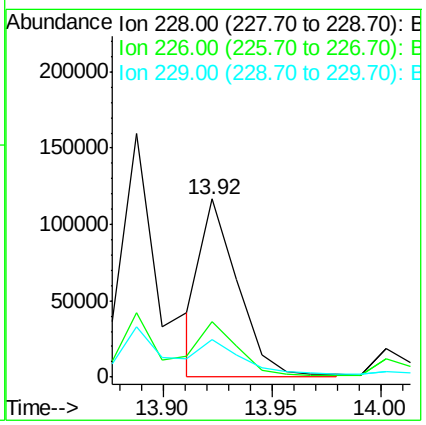


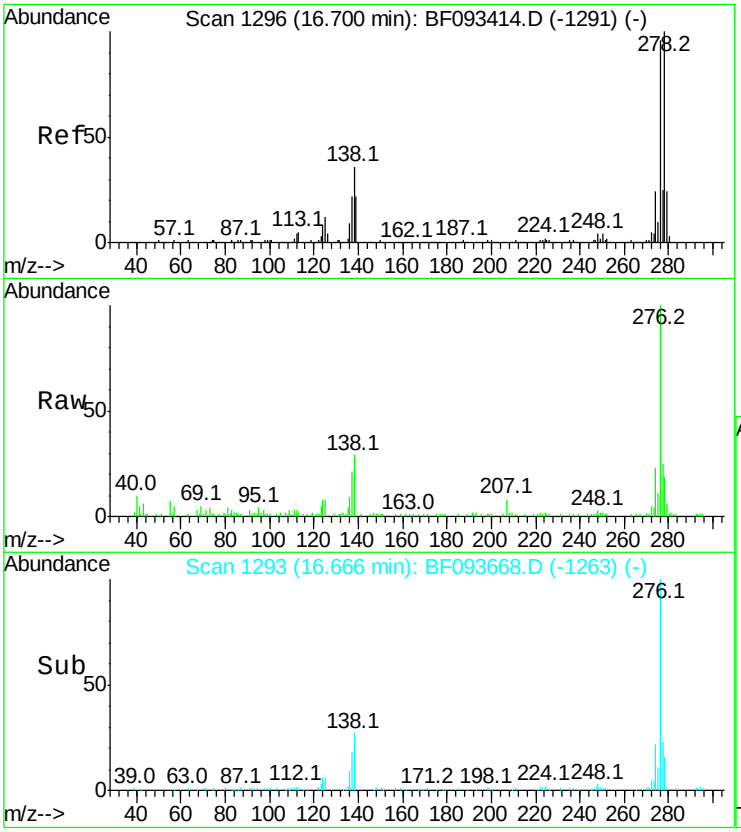


#82
Chrysene
Concen: 6.05 ng
RT: 13.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:228 Resp: 136290

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	20.8	16.2	24.2



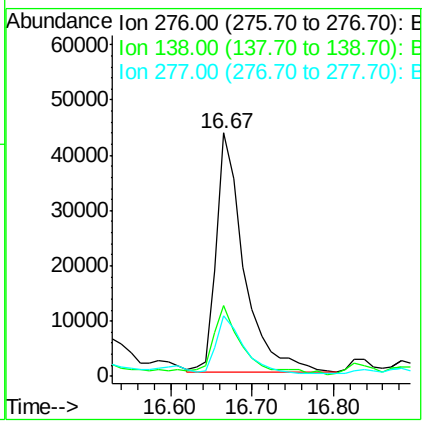


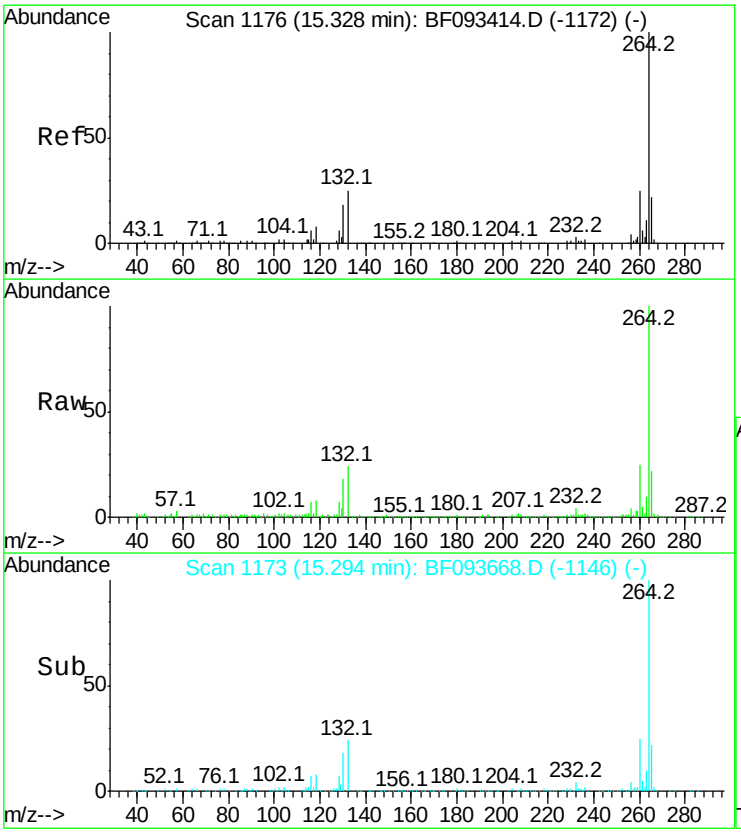
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.36 ng
RT: 16.67 min Scan# 1293
Delta R.T. 0.05 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:276 Resp: 101058

Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.6
277	24.5	20.2	30.4

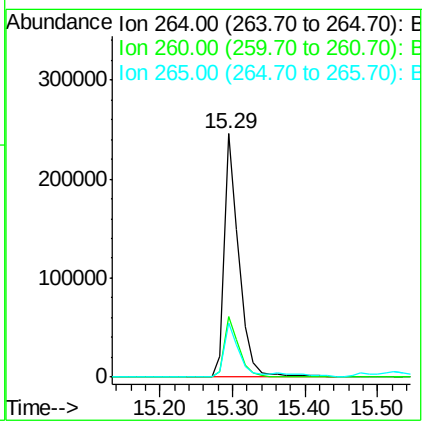


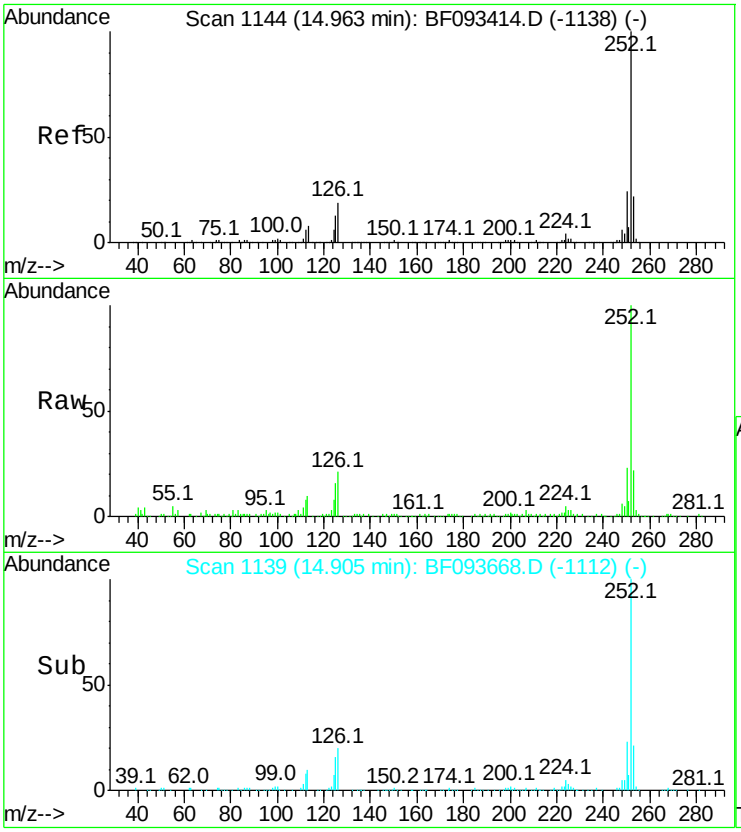


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:264 Resp: 344293

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.4	17.4	26.0



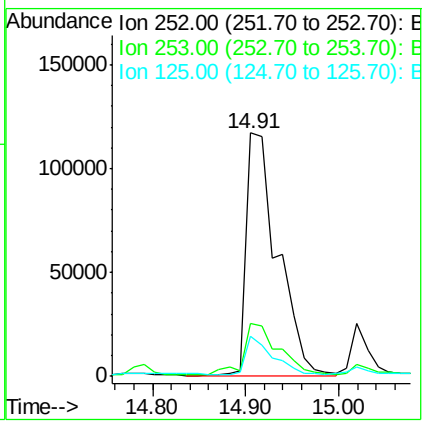


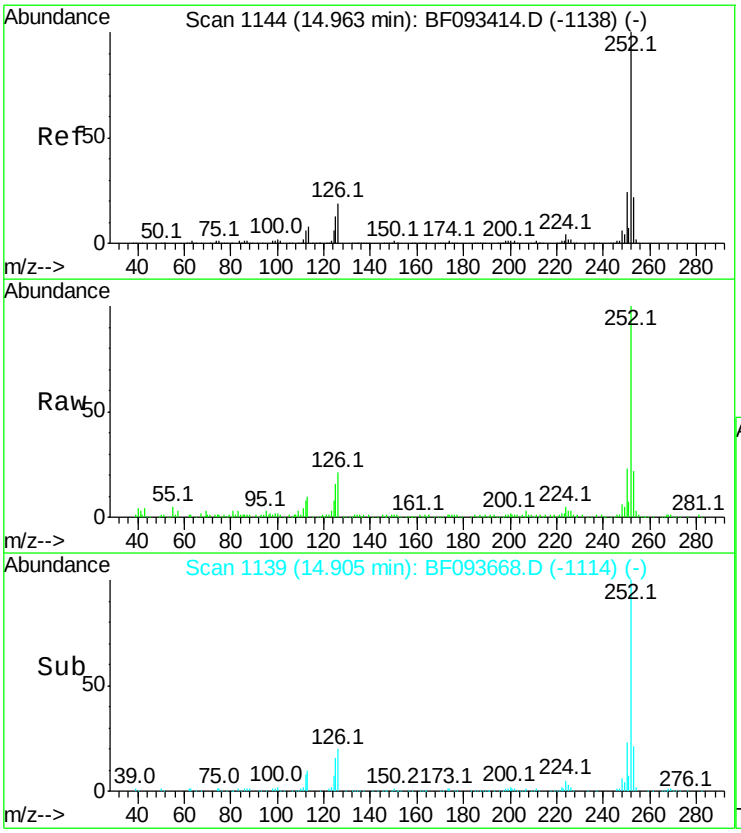
#87
Benzo(b)fluoranthene
Concen: 12.86 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:252 Resp: 269634

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	16.4	9.8	14.6#

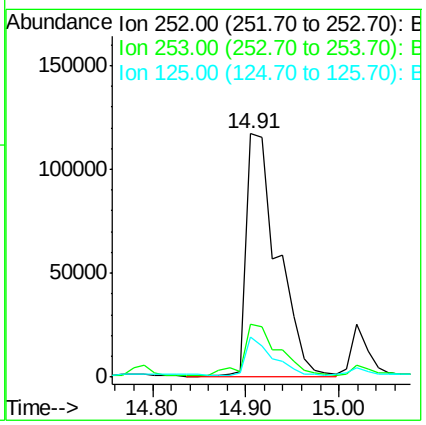


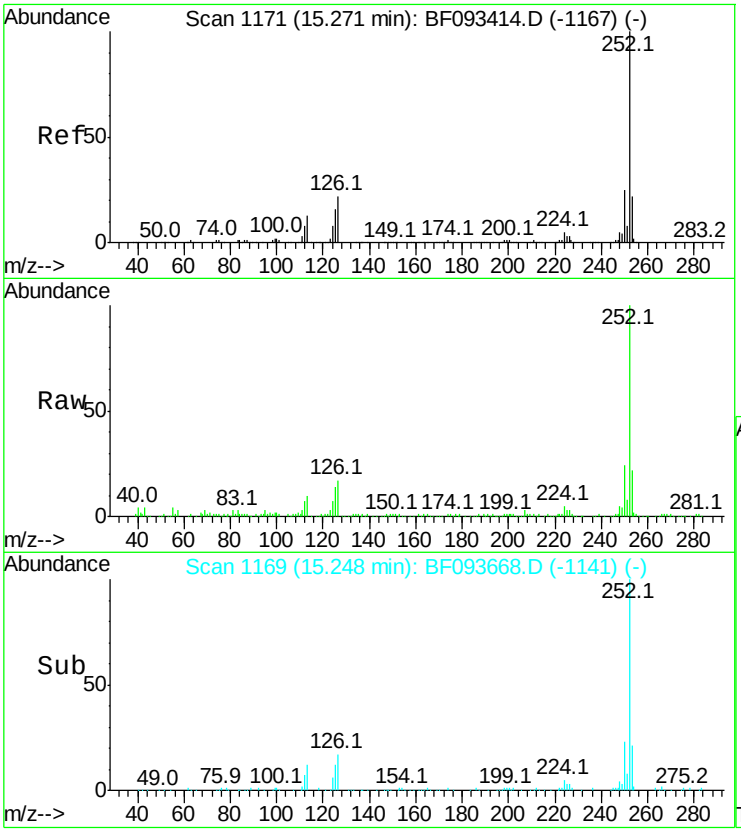


#88
Benzo(k)fluoranthene
Concen: 13.33 ng
RT: 14.91 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:252 Resp: 269634

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.5	27.7
125	16.4	8.9	13.3#



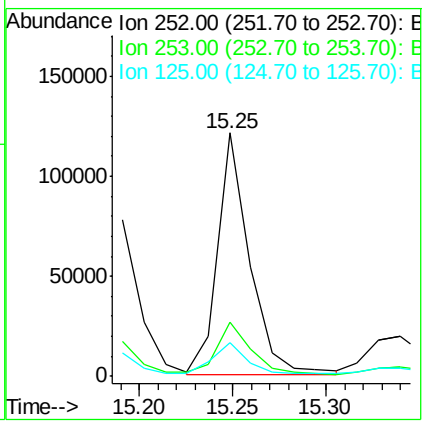


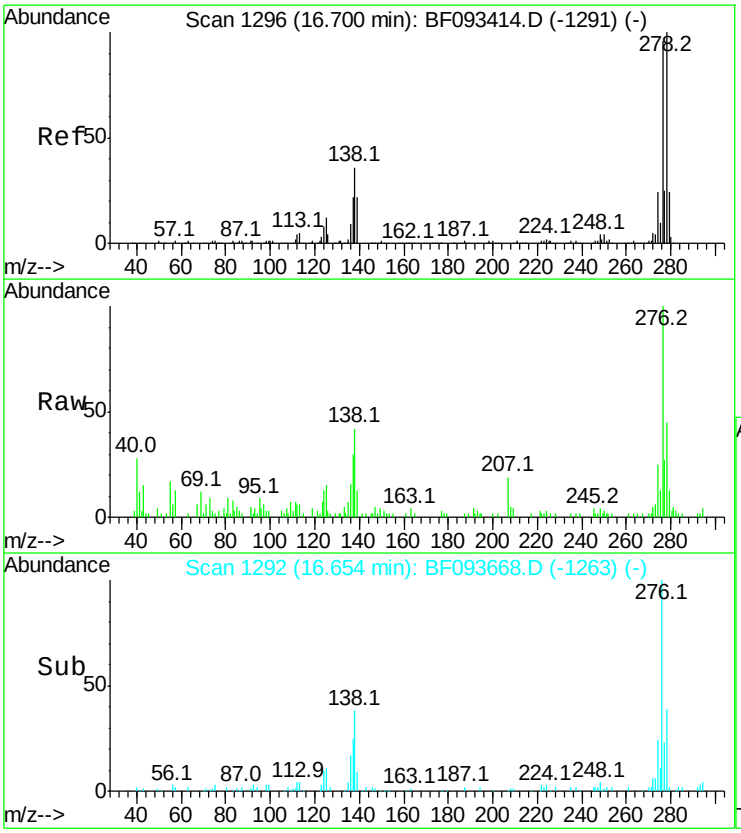
#89
Benzo(a)pyrene
Concen: 7.60 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:252 Resp: 145594

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	13.6	10.0	15.0

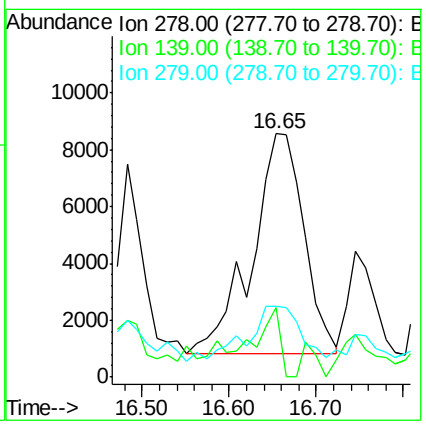


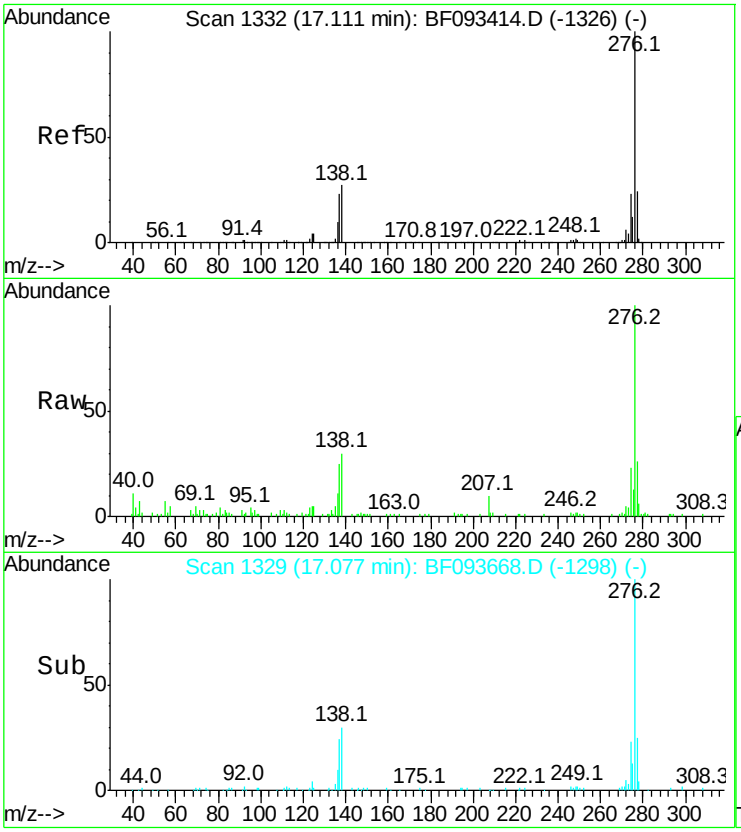


#90
Dibenzo(a,h)anthracene
Concen: 2.02 ng
RT: 16.65 min Scan# 1292
Delta R.T. 0.03 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Tgt Ion:278 Resp: 31961

Ion	Ratio	Lower	Upper
278	100		
139	28.5	14.8	22.2#
279	29.1	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 6.56 ng
RT: 17.08 min Scan# 1329
Delta R.T. 0.06 min
Lab File: BF093668.D
Acq: 15 Mar 2017 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tgt Ion:276 Resp: 106769

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.2	28.8
138	29.5	16.0	24.0#